

# IRMT-4 REMOTE CONTROL USER'S INSTRUCTIONS

• Gecko Electronics Inc. •

Full control of audio, video & therapeutic  
features on AV-equipped spas or surroundings



Australian Spa Parts



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# KEY CHARTS

Use the Key Charts below to learn how the IRMT-4 works. Note: When pressing a key, backlighting is turned on for 5 seconds. If backlighting is flashing in Learning mode, this is normal.

## Key Charts



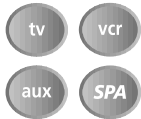
When pressing a key, the **LED** blinks to show that remote control is working and sending signals.



Use **setup** for all programming sequences.



Press **Power** once to turn on or off the selected home entertainment device.



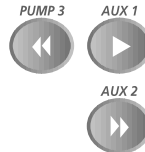
Press **tv**, **vcr**, **aux** or **SPA** once to select a home entertainment device to control.



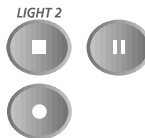
Use **volume +** or **volume -** to increase or reduce sound volume (or to control **Pump 1** and **Light** in Spa mode).



Use **channel +** or **channel -** to change channels (or to control **Pump 2** and **Blower** in Spa mode).



Use **Rewind**, **Play** or **Forward** in VCR mode (or **PUMP 3**, **AUX 1** and **AUX 2** in Spa mode).



Use **Stop** (or **LIGHT 2** in Spa mode), **Pause** or **Record\*** in VCR mode.



While holding **shift**, press one of the following keys to select secondary functions (**LED** lights up above key):



Use the numbers (**0-9**) to select channels or for all programming codes.

Press **mute** once to turn sound off or on.



Press **last** once to recall last channel and to page back one screen in the main menu.



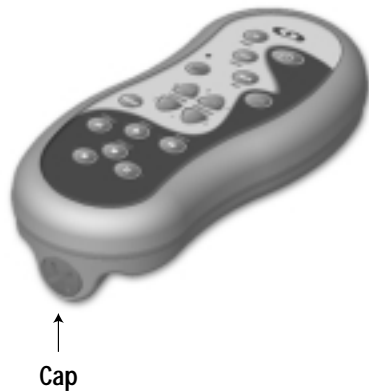
Press **input** once to switch the input of chosen device.

**Time-Out:** 10 seconds after pressing a key, the remote will exit programming mode or current state you are in.

\* **Record Safety:** To record a program, press **Record** key twice. This is to prevent accidental recordings (this applies only to VCR and AUDIO modes).

## REPLACING BATTERIES

Your remote control is powered by three AAA batteries.



- 1 • Unscrew and remove bottom cap.



**Note:**

You can use a coin to unscrew cap.

- 2 • Insert new batteries, making sure to match plus (+) ends with plus markings on the battery case. Refer to the label under your remote or see illustration below.

- 3 • Replace cap ensuring that waterproof gaskets are correctly positioned.

Label under the remote:

		MADE IN CANADA			
MODEL:	<input type="text"/>	OPT.:	<input type="text"/>		
SERIAL:	<input type="text"/>	+	<input type="text"/>	<input type="text"/>	-

# PROGRAMMING DEVICE CONTROL

The IRMT-4 can control up to four different devices. Carry out the following instructions for each device you want to control.

## Default setup code numbers:

TV	0047	RCA
VCR	0060	RCA
AUX	1023	Pioneer

Mode	Code
TV	Code for TV
VCR	Code for VCR, Audio Cassette, DVD, LDP, DAT
AUX	Code for Amplifier, Tuner, Misc. Audio, CD, Home Automation
SPA	Code for the SPA ( <b>0420</b> )

Write down your setup code numbers in the chart below, for future reference.

## Setup code numbers:

TV	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
VCR	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
AUX	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
SPA	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## Note:

The code for your Sony CDX-C6750 or CDX-C5000 Radio/CD is **0179**.

- 1 • Turn on a device (e.g., VCR) and, if applicable, insert media (e.g., video cassette).

## Note:

Please read steps 2-4 completely before proceeding. We recommend highlighting the codes and device you wish to program before moving on to step 2.

- 2 • On the IRMT-4, press mode key once (i.e., **tv**, **vcr**, **aux** or **SPA**). Press and hold **setup** until LED blinks twice, then release key.

- 3 • Use the Code Table (at the end of this manual) to locate brand name and type of device. Then, enter the four-digit code for your device. If performed correctly, the LED will blink twice. Remember to press and hold **shift** key first to access numbers (**0-9**).

## Note:

If LED did not blink twice, then repeat steps 2-3 and try entering the same code again.

- 4 • Aim IRMT-4 at device and press **Power** once. It should turn off. If it does not respond, repeat steps 2-3, trying each code for your brand until you find one that works. If it still does not work, try searching for the code (see *Searching For Your Code*).

- 5 • Repeat steps 1-4 for each device you want the IRMT-4 to control.

## SEARCHING FOR YOUR CODE

*If your device does not respond to the IRMT-4 after trying all codes listed for your brand, or if your brand is not listed at all, try searching for your code.*

Simply substitute the appropriate mode key (i.e., **tv**, **vcr**, **aux** or **SPA**) for the device you are searching for and repeat steps 1-5.



- 1 • On the IRMT-4, press mode key once (**tv**, **vcr**, **aux** or **SPA**).



- 2 • Press and hold **setup** until LED blinks twice then release key.



- 3 • Enter **9-9-1**. LED will blink twice. Remember to press and hold **shift** key first to access numbers (**0-9**).



- 4 • Aim remote control at TV and slowly alternate between pressing **Power** and **tv**. Stop when the TV turns on.

**Note:**

*Instead of pressing **Power**, you can use **0**, **1**, **2**, **3**, **channel +**, **volume +**, **Play** and **Stop**.*

*In Search mode, IRMT-4 will send IR codes from its library to the selected device, starting with the most popular code first.*



- 5 • Press **setup** once to lock in the code.

## CHECKING CODES

If you have set up the IRMT-4 using the "Searching For Your Code" procedure, you may need to find out which four-digit code is operating your equipment.

Simply substitute the appropriate mode key (i.e., **tv**, **vcr**, **aux** or **SPA**) for the device you are checking and repeat steps 1-5.



1• On the IRMT-4, press mode key once (**tv**, **vcr**, **aux** or **SPA**).



2• Press and hold **setup** until LED blinks twice, then release key.



3• Enter **9-9-0**. LED will blink twice. Remember to press and hold **shift** key first to access numbers (**0-9**).



4• To view the code for the first digit, press **1** once. Wait 3 seconds, then count the LED blinks (e.g., 3 blinks = 3) and write down the number.

**Note:**  
If a code digit is "0",  
LED will not blink.



5• Repeat step 4 three more times for the remaining digits. Use **2** for the second digit, **3** for the third digit, and **4** for the fourth digit.

## LEARNING MODE

The IRMT-4 has the ability to learn new functions from your original remote controls.

**Note:** To optimize success, the learning process should be conducted in an area where there is a low level of IR emission. High levels of natural light or energy efficient fluorescent lights could interfere with a learning event. The source and target (learner) remotes should be no more than 1 to 2 inches apart during a learning event and the IR LEDs of the two units should be aligned with each other.

The learning operation is initiated as follows:



1 • Press and hold **setup** until LED blinks twice to initiate Learning mode, then release key.



2 • Press **9-7-5**. LED will blink twice. Remember to press and hold **shift** key first to access numbers **(0-9)**.

3 • Press mode key (**tv**, **vcr**, **aux** or **SPA**).

4 • Hold teaching remote close to LED.

5 • On the IRMT-4, press key to be learned. LED flashes rapidly.

6 • Press and hold key to be taught until LED on IRMT-4 blinks twice.

At step 6, one long blink indicates learning failure, which could be:  
- Bad capture (try again)  
- Memory full (delete some other function)\*  
- Unlearnable code

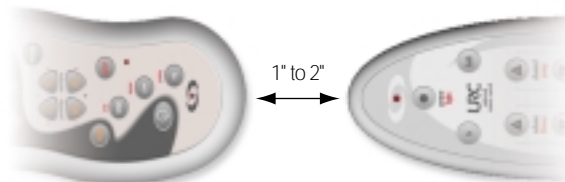
7 • LED turns off.

At step 2, one long blink indicates low battery or memory full (i.e. the unit will not go into Learning mode if either of these conditions exist).

8 • Repeat steps 3-7 as often as desired (up to limit of memory).

\* If your memory is full, delete one function (**setup**, **9, 7, 6**; see page 9) or delete all (**setup**, **9, 8, 1** or **9, 8, 0**; see page 10).

9 • Exit Learning mode by pressing **setup**, or by time-out (if remote remains untouched for more than 10 seconds).



## DELETING LEARNED FUNCTION

If your memory is full, you will need to delete one or more functions on your IRMT-4. Here is how to delete one function:

### Deleting a learned function:



- 1 • Press and hold **setup** until LED blinks twice, then release key.



- 2 • Enter **9-7-6**. LED will blink twice. Remember to press and hold **shift** key first to access numbers **(0-9)**.

- 3 • Press mode key once (**tv, vcr, aux** or **SPA**).
- 4 • Now press twice on key you want to delete. Learned function reverts to original function.

The LED blinks two times, pause then blinks 2 more times after successful completion of the programming sequence. There will be 2 blinks and one long blink if there is a problem with the remote. The remote goes back to normal operation after 10 seconds.

### Limitations:

- 1 • There are certain device codes which are not learnable.
- 2 • The unit can learn only one code per key.
- 3 • All keys with the exception of **shift, setup** and the mode keys (**tv, vcr, aux, SPA**) can be learned on.
- 4 • During a learning event, the source remote and target should be no more than 1 to 2 inches apart.
- 5 • The learning process should be conducted in an area where there is a low level of IR emission. High levels of natural light or energy efficient fluorescent lights could interfere with a learning event.
- 6 • In general, it is not recommended to learn a function to **Record** key because it requires a double key press to send the record function in normal operation.
- 7 • Typically, there are up to 24 keys that can be learned.

## DELETING FUNCTIONS & CODES

If your memory is full, you will need to delete one or more functions on your IRMT-4. Here is how to delete all functions and codes:

### Deleting all learned functions:



1 • Press and hold **setup** until LED blinks twice, then release key.



2 • Enter **9-8-0**. LED will blink twice. Remember to press and hold **shift** key first to access numbers (**0-9**).

All learned functions are deleted and remote reverts to original functions.

The LED blinks two times, pause then blinks 2 more times after successful completion of the programming sequence.

### Deleting all learned functions and codes:



1 • Press and hold **setup** until LED blinks twice, then release key.



2 • Enter **9-8-1**. LED will blink twice. Remember to press and hold **shift** key first to access numbers (**0-9**).

The remote resets all learned functions and codes.

The LED blinks two times, pause then blinks 2 more times after successful completion of the programming sequence.

## REASSIGNING DEVICE KEYS

The IRMT-4 can be set up to control a second TV or VCR, or any combination of three home entertainment devices.

For example, to have the IRMT-4 control a TV and two VCRs, you will need to reassign the unused **aux** key to operate the second VCR as follows:



- 1 • On the IRMT-4, press and hold **setup** until LED blinks twice, then release key.



- 2 • Enter **9-9-2**. LED blinks twice. Remember to press and hold **shift** key first to access numbers **(0-9)**.



- 3 • Press **vcr** once, then press **aux** once.

- 4 • The **aux** key is now ready to be programmed for our second VCR. See *Programming Device Control*.

To reassign other device keys, repeat steps 1-4 by substituting the key sequence from the chart opposite for the most popular devices.

### To reassign key:

Sequence	Perform
<b>TV</b> as 2nd VCR key:	<b>setup-9-9-2-vcr-tv</b>
<b>TV</b> as 2nd AUX key:	<b>setup-9-9-2-aux-tv</b>
<b>TV</b> back to <b>TV</b> :	<b>setup-9-9-2-tv-tv</b>
<b>VCR</b> as 2nd TV key:	<b>setup-9-9-2-tv-vcr</b>
<b>VCR</b> as 2nd AUX key:	<b>setup-9-9-2-aux-vcr</b>
<b>VCR</b> back to <b>VCR</b> :	<b>setup-9-9-2-vcr-vcr</b>
<b>AUX</b> as 2nd TV key:	<b>setup-9-9-2-tv-aux</b>
<b>AUX</b> as 2nd VCR key:	<b>setup-9-9-2-vcr-aux</b>
<b>AUX</b> back to <b>AUX</b> :	<b>setup-9-9-2-aux-aux</b>

## CHANGING VOLUME LOCK

The IRMT-4 is set to control volume of device through your TV while in TV or VCR mode.

**Note:** In an Audio mode, you have separate control of your audio device's volume. If your TV is not remote controllable, or if you want volume to be controlled by a different device, you can change the Volume Lock setting to control a volume through a non-associated mode (e.g., through the aux. in TV mode).

To change Volume Lock to another mode:



1 • On the IRMT-4, press and hold **setup** until LED blinks twice, then release key.



2 • Enter **9-9-3** and then press any mode key once (except **tv**). LED will blink twice.



3 • Now, whenever you press **volume +**, **volume -** or **mute**, volume will be controlled by the mode you chose.

To change Volume Lock back to TV mode:



1 • On the IRMT-4, press and hold **setup** until LED blinks twice, then release key.



2 • Enter **9-9-3** and then press **tv**. LED will blink twice.



3 • Now, whenever you press **volume +**, **volume -** or **mute** on the IRMT-4, volume will be controlled by your TV.

## TROUBLESHOOTING

*If you have a problem with your remote control, refer to the list below:*

**Problem:** LED does not blink when you press a key.

**Solution:** Replace the batteries with three new AAA alkaline batteries (refer to page 4 of this manual).

**Problem:** LED blinks when you press a key, but home entertainment device or SPA does not respond.

**Solution:** Make sure the IRMT-4 is aimed at your home entertainment device and is not farther than 15 feet away.

**Problem:** IRMT-4 does not control home entertainment devices or commands are not working properly.

**Solution:** Try all listed codes for the device brands being set up. Make sure they can be operated with an infrared remote control.

**Problem:** No volume on a second TV.

**Solution:** Follow instructions in *Changing Volume Lock*.